



**UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office**

Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

75

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
-----------------	-------------	----------------------	---------------------

09/075,584 05/11/98 STANLEY

J	EXAMINER77-US
---	---------------

MM92/0801

ART UNIT	PAPER NUMBER
----------	--------------

LYMAN R LYON
SUITE 207
3883 TELEGRAPH ROAD
BLOOMFIELD HILLS MI 48302-1476

THOMPSON, J

DATE MAILED:
2855

08/01/00

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office

NOTICE OF ALLOWANCE AND ISSUE FEE DUE

MM92/0801

LYMAN R LYON
SUITE 207
3883 TELLORAPH ROAD
BLOOMFIELD HILLS MI 48302-1476

APPLICATION NO.	FILING DATE	TOTAL CLAIMS	EXAMINER AND GROUP ART UNIT	DATE MAILED
09/075,584	05/11/98	011 ✓	THOMPSON, J 2853	05/01/98
First Named Applicant	STANLEY - 35 USC 134(b) term ext. = 9 days			

TITLE OF INVENTION: BELT TENSION PREDICTION

ATTY'S DOCKET NO.	CLASS-SUBCLASS	BATCH NO.	APPLN. TYPE	SMALL ENTITY	FEE DUE	DATE DUE
3 ASL-177-US	073-862.391	013	UTILITY	NO	\$1210.00	11/01/98

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED.

THE ISSUE FEE MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE, OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED.

HOW TO RESPOND TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is changed, pay twice the amount of the FEE DUE shown above and notify the Patent and Trademark Office of the change in status, or
- B. If the status is the same, pay the FEE DUE shown above.

If the SMALL ENTITY is shown as NO:

- A. Pay FEE DUE shown above, or
- B. File verified statement of Small Entity Status before, or with, payment of 1/2 the FEE DUE shown above.

II. Part B-Issue Fee Transmittal should be completed and returned to the Patent and Trademark Office (PTO) with your ISSUE FEE. Even if the ISSUE FEE has already been paid by charge to deposit account, Part B Issue Fee Transmittal should be completed and returned. If you are charging the ISSUE FEE to your deposit account, section "4b" of Part B-Issue Fee Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give application number and batch number. Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PATENT AND TRADEMARK OFFICE COPY

Notice of Allowability

Application No.
09/075,584

Applicant(s)

James. G. Stanley

Examiner

Jewel Thompson

Group Art Unit

2855



All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance and Issue Fee Due or other appropriate communication will be mailed in due course.

☒ This communication is responsive to IDS filed 8/14/98

☒ The allowed claim(s) is/are 1-11

☒ The drawings filed on May 11, 1998 are acceptable.

☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☐ All ☐ Some* ☐ None of the CERTIFIED copies of the priority documents have been
☐ received.

☐ received in Application No. (Series Code/Serial Number) _____

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

A SHORTENED STATUTORY PERIOD FOR RESPONSE to comply with the requirements noted below is set to EXPIRE THREE MONTHS FROM THE "DATE MAILED" of this Office action. Failure to timely comply will result in ABANDONMENT of this application. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

☐ Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL APPLICATION, PTO-152, which discloses that the oath or declaration is deficient. A SUBSTITUTE OATH OR DECLARATION IS REQUIRED.

☒ Applicant MUST submit NEW FORMAL DRAWINGS

☐ because the originally filed drawings were declared by applicant to be informal.

☐ including changes required by the Notice of Draftsperson's Patent Drawing Review, PTO-948, attached hereto or to Paper No. _____

☐ including changes required by the proposed drawing correction filed on _____, which has been approved by the examiner.

☒ including changes required by the attached Examiner's Amendment/Comment.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the reverse side of the drawings. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

☐ Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Any response to this letter should include, in the upper right hand corner, the APPLICATION NUMBER (SERIES CODE/SERIAL NUMBER). If applicant has received a Notice of Allowance and Issue Fee Due, the ISSUE BATCH NUMBER and DATE of the NOTICE OF ALLOWANCE should also be included.

Attachment(s)

☒ Notice of References Cited, PTO-892

☒ Information Disclosure Statement(s), PTO-1449, Paper No(s). 5

☒ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

☒ Interview Summary, PTO-413

☒ Examiner's Amendment/Comment

☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

☒ Examiner's Statement of Reasons for Allowance

Benjamin R. Fuller
Supervisory Patent Examiner
Technology Center 2600

Art Unit: 2855

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Alex Bracket on July 25, 2000.

2. The application has been amended as follows:

The title should be replaced with "SEAT BELT TENSION PREDICTION";

NE Claim 1, line 7, replace "the vertical acceleration" with "a vertical acceleration";

NE Claim 1, line 9, replace "the force" with "a force";

Claim 5, line 3, delete "the operation thereof" and replace with "said control system";

Claim 6, line 3, replace "the operation" with "an operation";

Claim 7, line 3, replace "the operation" with "an operation";

Claim 8, line 3, replace "the operation" with "an operation";

Claim 9, line 3, replace "to the" with "to a";

Claim 9, line 5, replace "the force" with "a force";

Claim 9, line 9, replace "the actual" with "an actual";

Claim 9, line 12, replace "the average" with "an average";

Art Unit: 2855

Claim 9, line 13, replace "the predicted" with "a predicted";

Claim 9, line 16, replace "the predetermined" with "a predetermined";

Claim 9, line 18, replace "the quotient" with "a quotient";

Claim 10, line 3, replace "to the" with "to a";

Claim 10, line 5, replace "the force" with "a force";

Claim 10, line 11, replace "the average" with "an average";

Claim 10, line 15, replace "the difference" with "a difference";

Claim 11, line 3, replace "to the" with "to a";

Claim 11, line 5, replace "the force" with "a force";

Claim 11, line 11, replace "the average" with "an average";

Claim 11, line 18, replace "the ratio" with "a ratio";

2. The following changes to the drawings have been approved by the examiner and agreed upon by applicant: Figs. 3 and 4 are to be replaced showing accelerometer coupled to the processor. In order to avoid abandonment of the application, applicant must make these above agreed upon drawing changes.

Reasons for Allowance

3. The following is an examiner's statement of reasons for allowance: The references cited have neglected to teach a system for measuring and a method for predicting seat belt tension in a vehicle having an airbag control system and a seat, comprising: an accelerator having an output signal responsive to a vertical acceleration of the vehicle and a computer processor having first

Art Unit: 2855

and second inputs, wherein the first input being operatively coupled to the output signal of the accelerometer and the second input being operatively coupled to the output signal of the seat weight sensor.


Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jewel V. Thompson whose telephone number is (703) 308-6726.


jvt

July 26, 2000


Benjamin R. Fuller
Supervisory Patent Examiner
Technology Center 2800